

INTERNATIONAL SEARCH REPORT

Final Application No
RU/1/182004/003291

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03F3/45

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 311 144 A (GRASSET JEAN-CHARLES) 10 May 1994 (1994-05-10) column 3, line 37 - column 5, line 7; figure 3	1
A	US 5 339 044 A (PERRAUD JEAN-CLAUDE) 16 August 1994 (1994-08-16) figures 1,2	1-4
A	PATENT ABSTRACTS OF JAPAN vol. 0050, no. 70 (E-056), 12 May 1981 (1981-05-12) & JP 56 020315 A (NIPPON GAKKI SEIZO KK), 25 February 1981 (1981-02-25) abstract	1-4
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principles or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "A" document member of the same patent family

Date of the actual completion of the international search

20 December 2004

Date of mailing of the international search report

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 0040, no. 67 (E-011), 20 May 1980 (1980-05-20) & JP 55 035516 A (TOSHIBA CORP), 12 March 1980 (1980-03-12) abstract	1-4
A	EP 0 264 160 A (TEKTRONIX INC) 20 April 1988 (1988-04-20) figure 1	1
A	US 5 497 123 A (MAIN W ERIC ET AL) 5 March 1996 (1996-03-05) cited in the application the whole document	1

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International Application No.
PCT/IB2004/003291

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5311144	A	10-05-1994	FR 2684252 A1 DE 69201297 D1 DE 69201297 T2 EP 0543708 A1	28-05-1993 09-03-1995 24-05-1995 26-05-1993
US 5339044	A	16-08-1994	FR 2687516 A1 DE 69310235 D1 DE 69310235 T2 EP 0556927 A1 JP 6013821 A	20-08-1993 05-06-1997 06-11-1997 25-08-1993 21-01-1994
JP 56020315	A	25-02-1981	NONE	
JP 55035516	A	12-03-1980	NONE	
EP 0264160	A	20-04-1988	US 4692712 A DE 3785817 D1 DE 3785817 T2 EP 0264160 A2 JP 1659265 C JP 3020924 B JP 63185206 A	08-09-1987 17-06-1993 20-01-1994 20-04-1988 21-04-1992 20-03-1991 30-07-1988
US 5497123	A	05-03-1996	EP 0718966 A1 JP 3575898 B2 JP 8242125 A	26-06-1996 13-10-2004 17-09-1996